

Appl. No.: 10/809,053

Preliminary Amdt. Dated August 5, 2004

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

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1. (Currently Amended) A light control element ~~being~~ equipped with a base plate that has an electrooptic effect, an optical guide and an electrode for modulation ~~that are~~ formed on said base plate, which has ridge structure, wherein:

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an anti-DC drift layer is installed on ~~the a~~ surface of the ~~above-mentioned~~ base plate where the optical guide is formed; and

annealing treatment is performed after ridge processing.

2. (Original) A light control element as claimed in claim 1, wherein:
said anti-DC drift layer is formed by doping anti-drift materials from said base plate.

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3. (Original) A light control element as claimed in claim 2, wherein:
said anti-drift materials consist of MgO or ZnO.

4. (Currently Amended) A light control element as claimed in ~~claims 2 and 3~~
claim 2, wherein:

said anti-drift materials consist of MgO or ZnO; and

the a dope amount of said anti-drift materials accounts for 0.5~7 mole % of said base plate.

5. (Currently Amended) A light control element as claimed in ~~claims 1 to 4~~ claim 1, wherein:

5 the thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of the base plate.

6. (New) A light control element as claimed in claim 2, wherein:
thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of the base plate.

10 7. (New) A light control element as claimed in claim 3, wherein:
thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of the base plate.

8. (New) A light control element as claimed in claim 4, wherein:
thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of
15 the base plate.